

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	316	(7/114,115).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/05/29 12:53
L16	1024	(56/400.01,400.04,400.08,400.1). CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/05/29 12:54
S1	85	("1131553" "1244789" "1663395" "1696678" "1785320" "1984843" "2072992" "2083786" "2149429" "20020139101" "3258903" "3701243" "3804451" "4086750" "4150528" "4215528" "4236742" "4480431" "4744208" "5305591" "5501069" "5527077" "5626009" "5713193" "6502381" "0795383").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/27 18:23
S2	2	("795383").URPN.	USPAT	OR	ON	2005/11/28 16:46
S3	2	("1131553").URPN.	USPAT	OR	ON	2005/11/28 16:47
S4	8	("1031958"   "1149098"   "1509369"   "1789980").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 16:52
S5	10	("3804451").URPN.	USPAT	OR	ON	2005/11/28 16:53
S6	24	("0484156"   "1149098"   "1172981"   "1657322"   "1663395"   "1785320"   "1904843"   "1942629"   "2149429"   "2705394"   "2794312"   "3804451"   "3838474").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 16:56
S7	6	("4150528").URPN.	USPAT	OR	ON	2005/11/28 16:57
S8	7	("1131553"   "1244789"   "1864264"   "4850185").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 16:57
S9	4	("5305591").URPN.	USPAT	OR	ON	2005/11/28 16:58
S10	11	("2713763"   "3701243"   "3750379"   "3884023"   "3901010"   "4059945"   "4086750"   "4165598"   "4776158"   "4850185").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 16:59
S11	7	("5501069").URPN.	USPAT	OR	ON	2005/11/28 17:00

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S12	18	("0685022"   "0705008"   "0795383"   "0894491"   "1139270"   "1185426"   "1374800"   "1474650"   "1493520").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:30
S13	3	("5527077").URPN.	USPAT	OR	ON	2005/11/28 17:31
S14	2	("4776158"   "5501069").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:32
S15	4	("5713193").URPN.	USPAT	OR	ON	2005/11/28 17:32
S16	19	("0374304"   "0611312"   "0674117"   "0969307"   "1504913"   "2193341"   "4741149"   "4866922"   "5165144"   "5205122"   "5383696"   "5411101"   "5527077").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:32
S17	6	("5788299").URPN.	USPAT	OR	ON	2005/11/28 17:33
S18	32	("0941292"   "1230664"   "1266411"   "1442615"   "1864264"   "2016263"   "2126105"   "2713763"   "2874530"   "2904951"   "3701243"   "3750379"   "3804451"   "3884023"   "4059945"   "4776158"   "4850185"   "5305591"   "5501069"   "5713193"   "D329177"   "D474948").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:34
S19	0	("6851254").URPN.	USPAT	OR	ON	2005/11/28 17:36
S20	10	("1956263"   "2252114"   "3884023"   "3901010"   "4776158"   "D281387"   "D282621"   "D296510").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:36
S21	2	("D329177").URPN.	USPAT	OR	ON	2005/11/28 17:36
S22	3	("1149098").URPN.	USPAT	OR	ON	2005/11/28 17:37
S23	2	("1244789").URPN.	USPAT	OR	ON	2005/11/28 17:37
S24	2	("1266411").URPN.	USPAT	OR	ON	2005/11/28 17:37
S25	2	("1266411").URPN.	USPAT	OR	ON	2005/11/28 17:41
S26	1	("1663395").URPN.	USPAT	OR	ON	2005/11/28 17:41
S27	1	("1696678").URPN.	USPAT	OR	ON	2005/11/28 17:41
S28	3	("1785320").URPN.	USPAT	OR	ON	2005/11/28 17:42
S29	2	("2072992").URPN.	USPAT	OR	ON	2005/11/28 17:43
S30	4	("2083786").URPN.	USPAT	OR	ON	2005/11/28 17:43
S31	5	("2149429").URPN.	USPAT	OR	ON	2005/11/28 17:44
S32	4	("2713763").URPN.	USPAT	OR	ON	2005/11/28 17:44
S33	14	("3258903").URPN.	USPAT	OR	ON	2005/11/28 17:44

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S34	12	("2620025"   "2717162"   "2841948"   "3258903"   "3334901"   "3368271").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:45
S35	13	("3701243").URPN.	USPAT	OR	ON	2005/11/28 17:45
S36	8	("0992394"   "1887659"   "1981488"   "2539590").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:46
S37	6	("3884023").URPN.	USPAT	OR	ON	2005/11/28 17:46
S38	9	("0485372"   "2532526"   "2904951"   "3258903"   "3701243").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:47
S39	4	("4086750").URPN.	USPAT	OR	ON	2005/11/28 17:47
S40	4	("2850865"   "3707835"   "3724188").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:47
S41	14	("4215528").URPN.	USPAT	OR	ON	2005/11/28 17:48
S42	6	("0802264"   "3306650"   "3390516").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:49
S43	10	("4236742").URPN.	USPAT	OR	ON	2005/11/28 17:49
S44	4	("2210784"   "2488802").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:50
S45	1	("4480431").URPN.	USPAT	OR	ON	2005/11/28 17:50
S46	10	("1266411"   "1879112"   "2016263"   "3130533"   "3884023"   "4603744").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:50
S47	7	("4776158").URPN.	USPAT	OR	ON	2005/11/28 17:51
S48	46	("1200160"   "1260906"   "1621276"   "1628994"   "1735237"   "1780180"   "1880580"   "2014123"   "2066036"   "2072992"   "2075220"   "2130828"   "2149429"   "2468376"   "2587424"   "2746235"   "2850865"   "2904951"   "3111175"   "3258903"   "3394536"   "3727389"   "3750379"   "4215528"   "4649698").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:52
S49	3	("4901515").URPN.	USPAT	OR	ON	2005/11/28 17:54
S50	9	("2083786"   "3258903"   "3701243"   "4212150"   "4483133"   "4901515"   "D331353").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:55
S51	4	("5626009").URPN.	USPAT	OR	ON	2005/11/28 17:55
S52	13	("1254041"   "1259803"   "1651291"   "1716031"   "1743883"   "2002484"   "4776158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 17:55

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S53	0	("D341299").URPN.	USPAT	OR	ON	2005/11/28 17:56
S54	3	("2532526").URPN.	USPAT	OR	ON	2005/11/28 19:06
S55	2335	(56/400.01,400.04,400.16,400.17,400.18,400.19,400.21,400).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/28 19:06
S56	284	S55 and lock\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/28 19:06
S57	315	(7/114,115).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/12 14:55
S58	1	("1223722").URPN.	USPAT	OR	ON	2006/06/12 14:59
S59	1	("1454018").URPN.	USPAT	OR	ON	2006/06/12 15:05
S60	1974	(56/400.01,400.04,400.05,400.07,400.06,400.08,400.09,400.1,400.11,400.12,400.13,400.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/12 15:17
S61	0	("90691").URPN.	USPAT	OR	ON	2006/06/12 15:22
S62	4	("1050685").URPN.	USPAT	OR	ON	2006/06/12 15:50
S63	3	("1138274").URPN.	USPAT	OR	ON	2006/06/12 15:55
S64	1	("1174804").URPN.	USPAT	OR	ON	2006/06/12 15:58
S65	0	("1189987").URPN.	USPAT	OR	ON	2006/06/12 15:59
S66	3	("1469144").URPN.	USPAT	OR	ON	2006/06/12 16:12
S67	2	("2787882").URPN.	USPAT	OR	ON	2006/06/12 16:54
S68	20	("1136770"   "1336861"   "2726504"   "2787882"   "2795923"   "2891374"   "D133489"   "D209660"   "D220420"   "D237245").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 16:54
S69	11	("D243438").URPN.	USPAT	OR	ON	2006/06/12 16:54
S70	12	("0215077"   "0671107"   "1055044"   "1529781"   "2018591"   "2040751").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 16:57
S71	12	("3592272").URPN.	USPAT	OR	ON	2006/06/12 16:58
S72	0	("394521").URPN.	USPAT	OR	ON	2006/06/12 17:21
S73	12	("0531722"   "1925357"   "2705394"   "2883820"   "3332223"   "4215528"   "4351145").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 17:21

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S74	10	("4744208").URPN.	USPAT	OR	ON	2006/06/12 17:22
S75	46	("0695139"   "0948497"   "1181266"   "1780180"   "1837677"   "1870739"   "1892965"   "1959893"   "1970616"   "2137795"   "2316168"   "2607183"   "2766577"   "3221486"   "3264810"   "3394537"   "3707835"   "3724188"   "3964708"   "4215528"   "4219993"   "4308878"   "4459797"   "4573311"   "4667458"   "4667461"   "4831815"   "4848073"   "4850185"   "D293196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 17:23
S76	6	("5022221").URPN.	USPAT	OR	ON	2006/06/12 17:37
S77	40	("0599368"   "0603071"   "1050685"   "1424291"   "1715613"   "2504943"   "2746234"   "3095682"   "3105348"   "3264809"   "3601966"   "3733636"   "4018038"   "4143899"   "4185448"   "4292794"   "4378671"   "4545189"   "4730864"   "4741149"   "4930824"   "5058370"   "5303536"   "5513883"   "5564266"   "5765351"   "6134869"   "6151878"   "6336314"   "D296510").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 17:38
S78	4	("6502381").URPN.	USPAT	OR	ON	2006/06/12 17:41
S79	67	("0795383"   "0870227"   "0922515"   "1099954"   "1128239"   "1182153"   "1182789"   "1217322"   "1264750"   "1362065"   "1469957"   "1936800"   "2481442"   "2642712"   "2713763"   "2797544"   "2855746"   "2891374"   "3012392"   "3688483"   "3884023"   "3921725"   "4378671"   "4776158"   "5003760"   "5025621"   "5058370"   "5305591"   "5343684"   "5425226"   "5461849"   "5501069"   "5564267"   "5609215"   "5626009"   "5713193"   "5788299"   "5881545"   "5887364"   "5901540"   "5970696"   "6250697"   "6272827"   "6336314"   "6367236"   "6526737"   "D230247").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/12 17:41
S80	6	("1715613").URPN.	USPAT	OR	ON	2006/06/13 11:23
S81	12	("1706507"   "1959893"   "1983596"   "2137795"   "2836032"   "3221486").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 11:24
S82	8	("4573311").URPN.	USPAT	OR	ON	2006/06/13 11:25

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S83	18	("1065997"   "1149098"   "1981488"   "2049595"   "2179946"   "3130533"   "3258903"   "3654734"   "3750379"   "3804451"   "4059945").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 11:29
S84	5	("4850185").URPN.	USPAT	OR	ON	2006/06/13 12:11
S85	67	("0795383"   "0870227"   "0922515"   "1099954"   "1128239"   "1182153"   "1182789"   "1217322"   "1264750"   "1362065"   "1469957"   "1936800"   "2481442"   "2642712"   "2713763"   "2797544"   "2855746"   "2891374"   "3012392"   "3688483"   "3884023"   "3921725"   "4378671"   "4776158"   "5003760"   "5025621"   "5058370"   "5305591"   "5343684"   "5425226"   "5461849"   "5501069"   "5564267"   "5609215"   "5626009"   "5713193"   "5788299"   "5881545"   "5887364"   "5901540"   "5970696"   "6250697"   "6272827"   "6336314"   "6367236"   "6526737"   "D230247").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 12:11
S86	0	("6722115").URPN.	USPAT	OR	ON	2006/06/13 12:14
S87	24	("0695139"   "1144703"   "1254041"   "1264750"   "1450877"   "1981488"   "2183278"   "2222566"   "2489047"   "2572247"   "2642712"   "4165598"   "5414983").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 12:15
S88	0	("6845604").URPN.	USPAT	OR	ON	2006/06/13 12:16
S89	14	("0588330"   "0886164"   "0972031"   "1144703"   "1254041"   "1826793"   "1958757").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 12:24
S90	2	("4165598").URPN.	USPAT	OR	ON	2006/06/13 12:59
S91	32	("0941292"   "1230664"   "1266411"   "1442615"   "1864264"   "2016263"   "2126105"   "2713763"   "2874530"   "2904951"   "3701243"   "3750379"   "3804451"   "3884023"   "4059945"   "4776158"   "4850185"   "5305591"   "5501069"   "5713193"   "D329177"   "D474948").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 13:34
S92	481	poulsen.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 13:34

## EAST Search History

S93	0	S92 and "56"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 13:35
S94	4	poulson.in. and "56"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 13:35
S95	1	("972031").URPN.	USPAT	OR	ON	2007/05/22 19:55
S96	4	("1981488").URPN.	USPAT	OR	ON	2007/05/22 20:05
S97	2	("2179946").URPN.	USPAT	OR	ON	2007/05/22 20:05
S98	2	("2874530").URPN.	USPAT	OR	ON	2007/05/22 20:05
S99	8	("2904951").URPN.	USPAT	OR	ON	2007/05/22 20:07
S10 0	2	("5527077").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/05/27 18:33
S10 1	855	protrusion same slot same ridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 18:35
S10 2	3	S101 and ("56"/\$.ccls. or "7"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 18:34
S10 3	148	protrusion same slot same ridge same (slide or sliding or slidable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 18:49
S10 4	1194	protrusion same groove same slot same (slide or slidable or sliding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:05
S10 5	0	S104 and ("56"/\$.ccls. or "7"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:05

## EAST Search History

S10 6	140	protrusion with groove with slot with (slide or slidable or sliding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:41
S10 7	16	protrusion with ridge with slot with (slide or slidable or sliding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:40
S10 8	1194	protrusion same groove same slot same (slide or slidable or sliding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:48
S10 9	0	S108 and rake	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:42
S11 0	196	protrusion same groove same slot same (slide or slidable or sliding) same adjust\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/27 19:48